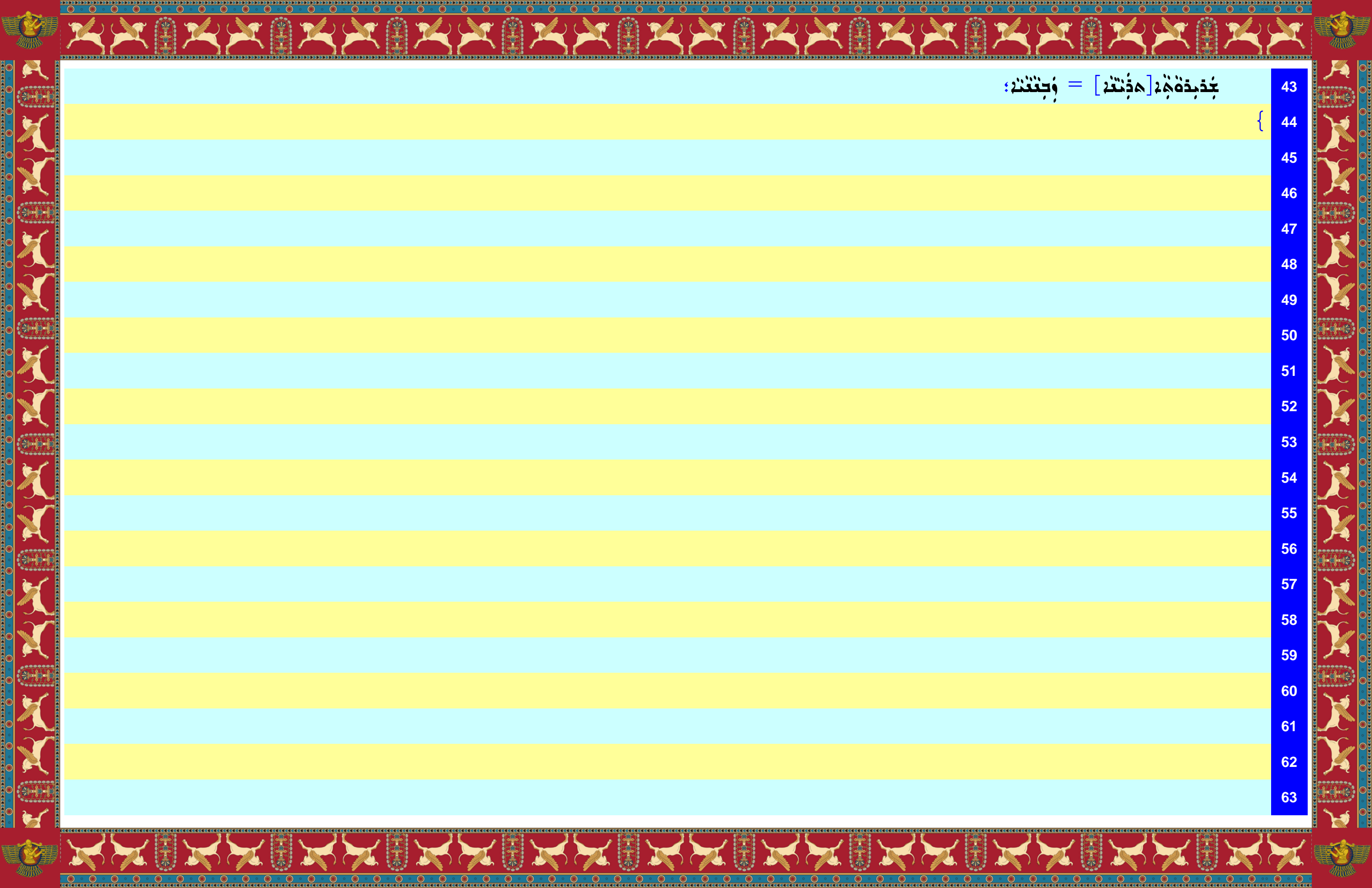


[illegible]

22	سَمَكْ (جَذْبَة ١، د - 1، د)؛
23	هَدْبَة ١ = مَلْجَة؛
24	{
25	{
26	
27	١. (هَدْبَة ١)
28	}
29	هَمْتَة؛
30	{
31	{
32	{
33	
34	// يَدْبَة
35	دَبْلَتَة مَخْبَة جَهَبَة سَمَكْ (مَعْتَبَة جَلَمْ [جَذْبَة ١، مَعْتَبَة جَلَمْ مَدْمَنْ، مَعْتَبَة جَلَمْ هَدْمَنْ)
36	}
37	١. (مَدْمَنْ = هَدْمَنْ)
38	}
39	هَمْتَة؛
40	{
41	مَعْتَبَة جَلَمْ وَجْتَعَة = جَذْبَة ١ [مَدْمَنْ]؛
42	جَذْبَة ١ [مَدْمَنْ] = جَذْبَة ١ [هَدْمَنْ]؛



جَدِةٌ = [هَدَتْ] وَجَتَتْ؛

- 43
- 44 {
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References

- Dale, Nell. Weems, Chip. Joyce, Daniel T.. **Object-Oriented Data Structures Using Java**. 4th ed. Burlington, MA: Jones & Bartlett Learning, ©2018.
- Deitel, Harvey., Deitel, Paul. **C# 6 for Programmers**. 6th ed. United States: Pearson Education, ©2016.
- Deitel, Harvey., Deitel, Paul. **Java How to Program: Late Objects**. 11th ed. United Kingdom: Pearson Education, Limited, ©2019.
- Deitel, Harvey M., Deitel, Paul J., Deitel, Paul. **Visual C# How to Program**. 6th ed. Germany: Pearson Higher Education & Professional Group, ©2017.
- Deitel, Paul J., Deitel, Harvey M.. **C: How to Program**. 8th ed. United Kingdom: Pearson, ©2016.
- Deitel, Paul J., Deitel, Harvey M.. **C++ How to Program**. 10th ed. Netherlands: Pearson, ©2017.
- Deitel, Paul J., Deitel, Harvey M.. **Java How to Program: Early Objects**. 10th ed. United Kingdom: Pearson, ©2015.
- Deitel, Paul J., Deitel, Harvey M.. **Visual C# 2012 How to Program**. 5th ed. United Kingdom: Pearson Education, ©2015.
- Doyle, Barbara. **C# Programming: From Problem Analysis to Program Design**. 5th ed. United States: Cengage Learning, ©2015.
- Gaddis, Tony. **Starting Out with Visual C#**. 5th ed. United Kingdom: Pearson, ©2017.
- Horstmann, Cay S.. **Big Java: Early Objects**. 7th ed. United Kingdom: Wiley, ©2020.
- Horstmann, Cay S.. **Brief Java: Early Objects**. 9th ed. Canada: John Wiley & Sons Canada, Limited, ©2019.
- Horstmann, Cay S.. **Java Concepts: Late Objects**. 3rd ed. United States: Wiley, ©2017.
- Hubbard, John R.. **Schaum's Outline of Data Structures with Java**. 2nd ed. United Kingdom: McGraw-Hill, ©2007.
- Johnson, Mark J.. **A Concise Introduction to Data Structures Using Java**. 5th ed. United States: Taylor & Francis Group, ©2013.
- Lewis, John., Chase, Joseph. **Java Software Structures: Designing and Using Data Structures**. 4th ed. Spain: Pearson Higher Education & Professional Group, ©2013.
- Liang, Y. Daniel. **Introduction to Java Programming and Data Structures: Comprehensive Version**. 12th ed. United Kingdom: Pearson, ©2019.
- Main, Michael. **Data Structures and Other Objects Using Java**. 4th ed. United Kingdom: Pearson, ©2012.

Malhotra, N., Malhotra, D.. **Data Structures and Program Design Using Java: A Self-Teaching Introduction**. India: Mercury Learning & Information, ©2020.

Savitch, Walter J.. **Java: An Introduction to Problem Solving & Programming**. 8th ed. United Kingdom: Pearson Prentice Hall, ©2019.

Tamassia, Roberto., Goldwasser, Michael H., Goodrich, Michael T.. **Data Structures and Algorithms in Java**. 6th ed. United States: Wiley, ©2014.

Weiss, Mark Allen. **Data Structures and Algorithm Analysis in Java**. 3rd ed. Netherlands: Pearson, ©2012.

Wolfgang, Paul A. T., Koffman, Elliot B.. **Data Structures: Abstraction and Design Using Java**. 3rd ed. United Kingdom: Wiley, ©2016.

Wu, C. Thomas. **An Introduction to Object-Oriented Programming with Java**. Colombia: McGraw-Hill Education, ©2009.

Dedication

I dedicate this work in memory of **His Holiness ✝ Mar Dinkha IV**, Catholicos-Patriarch of *The Assyrian Church of the East*, Sunday, September 15, 1935 – Thursday, March 26, 2015, with love, respect, and appreciation.